

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**GEISMAR PLANT-SERVICES AND LABORATORY
CHEMTURA USA CORP.
GEISMAR, ASCENSION PARISH, LOUISIANA
AGENCY INTEREST NO.: 1433**

I. Background

CHEMTURA USA CORP operates an integrated chemical production facility approximately 0.9 miles from Geismar, in Ascension Parish. The Geismar facility is a major source under the Part 70 Operating Permit Program. In 2001, the company's name was changed from Uniroyal Chemical Co., Inc. to Crompton Manufacturing Company, Inc. and in 2006, the company's name was changed to CHEMTURA USA CORP., (hereinafter "CHEMTURA").

The process units that exist on this site include: FLEXZONE®, THIAZOLES®, CELOGEN® OT-MBT, CELOGEN® AZ, Maleic Hydrazide (MH/MBT), para-aminodiphenylamine (UBOB), 2,6-di-tertiary-butyl-paracresol/2,2-dimethylhydrazide (BHT/B-NINE) and Naugalube® 438L. Other units produce EPDM synthetic rubber, ROYALENE®/TRILENE®. Support processes on site include a services/laboratory area and several wastewater treatment plants.

This Part 70 operating permit is for the Geismar Plant-Services and Laboratory area. The Initial Part 70 Operating Permit, Permit No. 2551-V0 was issued for the Geismar Plant-Services and Laboratory on June 30, 1998 and amended September 8, 2002. This facility has been in operation since 1962.

II. Origin

A permit modification/renewal application and updated Emission Inventory Questionnaire (EIQ) were submitted by CHEMTURA on December 30, 2002, requesting renewal of the Part 70 Operating Permit. Additional information was received on March 14, 2005. The company submitted supplemental information to the permit renewal application and EIQ on September 7 and October 31, 2006.

III. Description

Services activities at Chemtura's Geismar Plant consist of maintenance of process equipment and facility grounds. Sources of air emissions include sandblasting, painting, exhaust from emergency generators and fire pumps, fuel storage tanks, oil storage tanks, and parts cleaning stations. The support laboratory is used for routine quality control/environmental analyses as well as research development testing. Sources of air emissions from the support laboratories are from solvents and chemical evaporation associated with conducting these experiments which are released through the laboratory ventilation hoods.

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This renewal permit allows for the following:

- Deletion of emission points EPN 2910, 2912 and 2920 as the welding booths are included as insignificant activities.
- Deletion of emission points EPN 2903 as the painting operation is included as an insignificant activity.
- Deletion of emission points EPN 2950, 2951, 2952 2953 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961 2962, and 2963 as the laboratory hoods are included as insignificant activities.
- Deletion of emission points EPN 2909, 2911, 2913, 2914, 2915, 2916, 2919, 2921 and 2922 as the solvent machines are included as insignificant activities.
- Deletion of emission points EPN 2928, 2929, 2930, 2931 and 2932 as these five used oil tanks are included as insignificant activities.
- Deletion of emission points EPN 2925, 2926 and 2927 as these three new oil tanks are included as insignificant activities.
- Deletion of emission point EPN 2937 as the gasoline tank and dispenser are no longer in service.
- Deletion of emission point EPN 2938 to avoid confusion as the emission point had been used previously for two pieces of equipment.
- Inclusion of previously existing but not permitted emission point EPN 2939.
- Deletion of emission points EPN 2907, 2908, 2917, 2924, 2934, 2935, 2936 and 2939 as these eight diesel storage tanks are included as insignificant activities.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	0.69	0.68	-0.01
SO ₂	0.42	0.63	+0.21
NO _x	6.25	9.47	+3.22
CO	1.36	2.04	+0.68
VOC*	18.43	1.77	-16.66

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***VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Benzene ¹	0.001	0.002	+0.001
Acetaldehyde ¹	0.001	0.002	+0.001
Acrolein ¹	0.00	<0.001	+<0.001
1,3-Butadiene ¹	0.00	<0.001	+<0.001
Ethylbenzene ¹	0.755	0.00	-0.755
Ethylene Glycol ¹	0.003	0.000	-0.003
Methyl Ethyl Ketone ¹	1.393	0.000	-1.393
Methyl Isobutyl Ketone ¹	2.76	0.00	-2.76
Formaldehyde ¹	0.004	0.003	-0.001
n-Butanol	1.851	0.000	-1.851
Toluene ¹	1.610	0.001	-1.609
Xylene (mixed isomers) ¹	3.572	0.001	-3.571
Total	12.04	0.009	-11.941

***Highly Reactive VOC (HRVOC) Speciation (TPY) :**

1,3-Butadiene ¹	<0.001
Xylene (mixed isomers) ¹	0.001
Toluene ¹	0.001
Total	0.002

***Other VOC (TPY):** 1.761

¹Pollutant is a HAP pursuant to Section 112 of the CAA.

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Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before ¹	After	Change
Methyl Chloride	0.041	0.00	-0.041
Total	0.041	0.00	-0.041

IV. Type of Review

This application was reviewed for compliance with the Louisiana Part 70 Operating Permit Program, the Louisiana Air Quality Regulations, CAM, NESHAP, and NSPS. Prevention of Significant Deterioration (PSD) and/or Nonattainment New Source Review (NNSR) do not apply.

The Geismar Plant-Services and Laboratory are part of a facility that is a major source of hazardous air pollutants (HAPs) pursuant to Section 112 of the CAA in that the facility has the potential to emit greater than 10 TPY of a single HAP and greater than 25 TPY of aggregate HAPs.

The Geismar Plant-Services and Laboratory is part of a facility that is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. The TAPs that emit from the Geismar Plant-Services and Laboratory are either Class III pollutants, in the Supplemental List Table 51.3, or Class II pollutants with facility wide quantities that are less than the Minimum Emission Rate (MER) specified in the Louisiana Air Toxic Regulations. Impact of these pollutants on air quality is in compliance with the Louisiana Toxic Pollutant Ambient Air Standards.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit

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condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2006; and in the <local paper>, <local town>, on <date>, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>2006. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: None

VIII. General Condition XVII Activities

None

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IX. Insignificant Activities

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
	Air emissions from laboratory equipment/vents used exclusively for routine chemical or physical analysis for quality control or environmental monitoring	Insignificant Activity per LAC 33:III.501.B.5.A.6.
	Welding Operations for miscellaneous equipment operations	LAC 33.III.501.B.5.B.3.
	Temporary Cooling Towers	LAC 33.III.501.B.5.A.12
	Safety Kleen Solvent Machines	LAC 33.III.501.B.5.B.3
	Hosedown of Buildings	LAC 33.III.501.B.5.B.1
	Painting Operations for miscellaneous equipment/building maintenance	LAC 33.III.501.B.5.B.2
	Temporary Control Devices	LAC 33.III.501.B.5.B.32
	Cooling Tower Additives	LAC 33.III.501.B.5.B.8
	Portable Diesel Engines	LAC 33.III.501.B.5.D/
	Generators/(Refrigeration Units)	LAC 33.III.501.B.5.B.32.
	Portable Diesel Fuel Storage Tanks	LAC 33.III.501.B.5.B.44
	New Oil Tanks 1-3	LAC 33.III.501.B.5.A.3.
	Used Oil Tanks 1-5	LAC 33.III.501.B.5.A.2.
	Various Diesel Storage Tanks (1-8)	LAC 33.III.501.B.5.A.3.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																	
		2*	5▲	9	11	13	15	2103	2107	2111	2113	2122	2131	2132	22	29*	51*	53	56
A11433	Facility Wide	1	1	1	1							1	1	1		1	1	1	1
GRP083	Services and Laboratory	1	1			1										1			
EQT108	2901-Hopper Loading and Unloading for Sand Blasting Operations							1											
EQT109	2902-Diesel Driven Air Compressor for Sand Blasting								1										
EQT110	2905-Cummins Diesel Fire Pump							1											
EQT111	2906-Detroit Diesel Fire Pump								1										
EQT124	2923-1000 Gallon Gasoline Tank and Dispenser									1					1	1			
EQT125	2933-Flexzone Emergency Generator										1								

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

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KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS			40 CFR 61			40 CFR 63 NESHAP			40 CFR								
		A	K	Ka	Kb	III	A	J	M	FF	A	F	G	FFFF	ZZZZ	S2	64	68	70
AI1433	Facility Wide	1					1	1	1	1	1	1	1			1	1	1	1
GRP083	Services and Laboratory	3	3	3	3	3										3	3	3	1
EQT108	2901-Hopper Loading and Unloading for Sand Blasting Operations																		
EQT109	2902-Diesel Driven Air Compressor for Sand Blasting																		
EQT110	2905-Cummins Diesel Fire Pump																		
EQT111	2906-Detroit Diesel Fire Pump																		
EQT124	2923-1000 Gallon Gasoline Tank and Dispenser																		
EQT125	2933-Flexzone Emergency Generator																		

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
All 1433 Facility Wide	40 CFR 61 Subpart FF – NESHAP for Benzene Waste Operations [40 CFR 61.340-61.359]	EXEMPT FROM CONTROL Facility has a total annual benzene quantity from facility waste < 10 megagrams/year. An annual report must be submitted to confirm exemption from control requirements 40 CFR 61.342 and 61.357(d)
GRP083 Services and Laboratory	NSPS Subpart A-General Provisions [40 CFR 60.1-19] 40 CFR 64-Compliance Assurance Monitoring (CAM) Rule [40 CFR 64.1-10]	DOES NOT APPLY. Services and Laboratory does not have any sources that are subject to 40 CFR 60 Subpart A. DOES NOT APPLY. Services and Laboratory does not have any emission unit with a potential to emit greater than or equal to 100% of the major source threshold, before taking controls into account.
	NSPS Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquid for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978. [40 CFR 60.110]	DOES NOT APPLY. All Services and Laboratory storage tanks are less than 40000 gallons.
	NSPS Subpart Ka – Standards of Performance for Storage Vessels for Petroleum Liquid for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978. [40 CFR 60.110a]	DOES NOT APPLY. All Services and Laboratory storage tanks are less than 40000 gallons.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP083 Services and Laboratory Continued	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. All Services and Laboratory storage tanks are less than 19812 gallons
	40 CFR 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE) [40 CFR 63.6580-6675]	DOES NOT APPLY. All Services and Laboratory RICE emission sources are either below the horsepower rating of 500 brake horsepower (bhp) or meets the definition of an Emergency Stationary RICE. 40 CFR 63.6590(a) and 63.6590(b)(3)
	40 CFR 60 Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (CIICE) [40 CFR 60.4200-4219]	DOES NOT APPLY. All Services and Laboratory CIICE emission sources were manufactured prior to the dates specified in the regulation.
Emission Limitations - Sulfur Dioxide [LAC 33.III.1503]		EXEMPT FROM CONTROL. SO2 emissions < 250 tons/year LAC 33.III.1503.C
EQT124 Gasoline Tank and Dispenser (EIQ 2923)	Filling of Gasoline Storage Vessels [LAC 33.III.2131]	EXEMPT FROM CONTROL. Source is located in Ascension Parish and has a throughput of less than 1200000 gallons per year.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT124 Gasoline Tank and Dispenser (EIQ 2923) Continued	Stage II Vapor Recovery Systems for Control of Vehicle Refueling Emissions at Gasoline Dispensing Facilities [LAC 33:III.2132]	EXEMPT FROM CONTROL. Source is located in Ascension Parish and dispenses less than 10000 gallons per month of gasoline.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated <...>, 200__, along with supplemental information dated <...>, 200__.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the Form 7030_r13
11/14/06

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.

- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.
- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 1433 Chemtura Corp - Geismar Plant
 Activity Number: PER20020015
 Permit Number: 2551-V1
 Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	0180-000112	Chemtura USA Corp - Geismar Plant	CDS Number	05-27-1993
	0180-0012	Uniroyal Chemical Co Inc dba Crompton Manufacturing Co - Geismar Plant	Emission Inventory	02-25-2004
	13-1427480	Federal Tax ID	Federal Tax ID	02-01-2001
	LAD008194060	Chemtura USA Corp	Hazardous Waste Notification	01-24-2006
	PC	GPRAS Baselines	Hazardous Waste Permitting	10-01-1997
	LAD008194060	Crompton Manufacturing Co Inc	Inactive & Abandoned Sites	06-09-1981
	LA00000752	WPC File Number	LPDES Permit #	05-22-2003
	WP0583	WPC State Permit Number	LWDPS Permit #	06-25-2003
	LA-2274-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	2274	Radioactive Material License	Radiation License Number	08-03-2000
	G-005-2103	X-Ray Registration Number	Radiation X-ray Registration Number	02-01-2001
	17836	Site ID #	Solid Waste Facility No.	08-24-2001
	38798	Uniroyal Chemical Co Inc	TEMPO Merge	11-01-2000
	47719	Uniroyal Chemical Co Inc	TEMPO Merge	11-01-2000
	67569	Uniroyal Chemical Co Inc	TEMPO Merge	11-01-2000
	0180-000112	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
	70734NRYLCPOBOX	TRI #	Toxic Release Inventory	07-09-2004
	03-007860	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-11-2002
			Main FAX:	2256730521
			Main Phone:	2256730783
Physical Location:		36191 Hwy 30 Geismar, LA 70734		
Mailing Address:		PO Box 397 Geismar, LA 707340397		
Location of Front Gate:		30° 12' 32" 66 hundredths latitude, 91° 0' 7" 42 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83		
Related People:		Name	Mailing Address	Relationship
		W. Keith Baggett	PO Box 397 Geismar, LA 707340397	Responsible Official for
		R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	Radiation Safety Officer for
		R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	Radiation Safety Officer for
		R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	Radiation Safety Officer for
		R. Daryl Cambre	daryl.cambre@chem	Radiation Safety Officer for
		R. Daryl Cambre	2253242502 (CP)	Radiation Contact For
		R. Daryl Cambre	2256730779 (WP)	Radiation Contact For
		R. Daryl Cambre	daryl.cambre@chem	Radiation Contact For

General Information

AI ID: 1433 Chemtura Corp - Geismar Plant
 Activity Number: PER20020015
 Permit Number: 2551-V1
 Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
R. Daryl Cambre		PO Box 397 Geismar, LA 707340397	2553242502 (CP)	Radiation Contact For
R. Daryl Cambre		PO Box 397 Geismar, LA 707340397	2556730526 (WF)	Radiation Contact For
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Responsible Official For
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Air Permit Contact For
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Accident Prevention Contact for
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Accident Prevention Billing Party for
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Accident Prevention Billing Party for
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Accident Prevention Contact for
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Air Permit Contact For
Keith Gordon		PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730521 (WF)	Operates
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730783 (WP)	Operates
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730521 (WF)	Owns
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730783 (WP)	Owns
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730521 (WF)	Water Billing Party for
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730783 (WP)	Water Billing Party for
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730521 (WF)	Air Billing Party for
Chemtura Corp		PO Box 397 Geismar, LA 70734	2256730783 (WP)	Air Billing Party for
SIC Codes:		2819, Industrial inorganic chemicals, nec		
		2822, Synthetic rubber		
		2869, Industrial organic chemicals, nec		

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
 Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1433 - Chemtura Corp - Geismar Plant
 Activity Number: PER20020015
 Permit Number: 2551-V1
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT108	2901-Hopper Loading and Unloading for Sand Blasting Operations					40 hr/yr (All Year)
EQT109	2902-Diesel Driven Air Compressor for Sand Blasting		216 horsepower			1200 hr/yr (All Year)
EQT110	2905-Cummins Diesel Fire Pump		380 horsepower			365 hr/yr (All Year)
EQT111	2906-Detroit Diesel Fire Pump		285 horsepower			365 hr/yr (All Year)
EQT124	2923-1000 Gallon Gasoline Tank and Dispenser	1000 gallons	67000 gallons/yr			8760 hr/yr (All Year)
EQT125	2933-Flexzone Emergency Generator			650 horsepower		168 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP083	Services and Laboratory Unit	EQT108 2901-Hopper Loading and Unloading for Sand Blasting Operations
GRP083	Services and Laboratory Unit	EQT109 2902-Diesel Driven Air Compressor for Sand Blasting
GRP083	Services and Laboratory Unit	EQT110 2905-Cummins Diesel Fire Pump
GRP083	Services and Laboratory Unit	EQT111 2906-Detroit Diesel Fire Pump
GRP083	Services and Laboratory Unit	EQT124 2923-1000 Gallon Gasoline Tank and Dispenser
GRP083	Services and Laboratory Unit	EQT125 2933-Flexzone Emergency Generator

Relationships:**Stack Information:**

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT109			.4	.4	.14	
EQT110			.4	.4	.14	
EQT111			.4	.4	.11.5	
EQT125			.67	.67	.8.5	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP083	1	M/M Lb/Yr	0690 - Chemical and Chemical Prep. N.E.C. (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1433 - Chemtura Corp - Geismar Plant

Activity Number: PER20020015

Permit Number: 2551-V1

Air • Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 108 2901	0.10	0.12 <	0.01												
EQT 109 2902	0.48	0.48	0.29	0.44	0.44	0.27	6.70	6.70	4.02	1.44	1.44	0.87	0.54	0.54	0.33
EQT 110 2905	0.84	0.96	0.15	0.78	0.90	0.14	11.78	13.55	2.15	2.54	2.92	0.46	0.96	1.65	0.17
EQT 111 2906	0.63	0.72	0.11	0.58	0.67	0.11	8.84	10.16	1.61	1.90	2.19	0.35	0.72	1.08	0.13
EQT 124 2923													0.23	0.23	1.00
EQT 125 2933	1.43	1.65	0.12	1.33	1.53	0.11	20.15	23.17	1.69	4.34	4.99	0.37	1.96	2.45	0.16

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals**Permit Phase Totals:**

PM10: 0.68 tons/yr

SO2: 0.63 tons/yr

NOx: 9.47 tons/yr

CO: 2.04 tons/yr

VOC: 1.77 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura Corp - Geismar Plant

Activity Number: PER20020015

Permit Number: 2551-V1

Air - Title V Regular Permit Renewal

All phases

All phases		1,3-Butadiene			Acetaldehyde			Acrolein			Benzene			Formaldehyde		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr
EQT 109 2902	< 0.001	< 0.001	< 0.001	0.001	0.001	0.001	< 0.001	< 0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
EQT 110 2905	< 0.001	< 0.001	< 0.001	0.001	0.002	0.002	< 0.001	< 0.001	0.001	0.002	0.002	< 0.001	0.003	0.003	< 0.001	< 0.001
EQT 111 2906	< 0.001	< 0.001	< 0.001	0.001	0.002	0.002	< 0.001	< 0.001	0.001	0.002	0.002	< 0.001	0.002	0.002	0.002	< 0.001
EQT 125 2933	< 0.001	< 0.001	< 0.001	0.001	0.003	0.003	< 0.001	< 0.001	0.001	0.004	0.004	< 0.001	0.01	0.01	0.01	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura Corp - Geismar Plant
 Activity Number: PER20020015
 Permit Number: 2551-V1
 Air - Title V Regular Permit Renewal

All phases

Propylene				Toluene				Xylenes (mixed isomers)				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 109 2902	< 0.001	< 0.001	< 0.001	0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 110 2905	< 0.001	< 0.001	< 0.001	0.001	0.001	< 0.001	0.001	0.001	0.001	< 0.001	< 0.001	< 0.001
EQT 111 2906	< 0.001	< 0.001	< 0.001	0.001	0.001	< 0.001	0.001	0.001	0.001	< 0.001	< 0.001	< 0.001
EQT 125 2933	< 0.001	< 0.001	< 0.001	0.001	0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.001	< 0.001	< 0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,3-Butadiene: <0.001 tons/yr
 Acetaldehyde: 0.002 tons/yr
 Acrolein: <0.001 tons/yr
 Benzene: 0.002 tons/yr
 Formaldehyde: 0.003 tons/yr
 Propylene: <0.001 tons/yr
 Toluene: 0.001 tons/yr
 Xylene (mixed isomers): 0.001 tons/yr

Emission Rates Notes:

General Information

AI ID: 1433 Chemtura Corp - Geismar Plant

Activity Number: PER200020015

Permit Number: 2551-Y1

Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
Chemtura USA Corp - Geismar Plant	0180-00012	CDS Number		05-27-1993
Uniroyal Chemical Co Inc dba Crompton Manufacturing Co - Geismar Plant	0180-00112	Emission Inventory		02-25-2004
Federal Tax ID	13-1427480	Federal Tax ID		02-01-2001
Chemtura USA Corp	LAD008194060	Hazardous Waste Notification		01-24-2006
GPRRA Baselines	PC	Hazardous Waste Permitting		10-01-1997
Crompton Manufacturing Co Inc	LAD008194060	Inactive & Abandoned Sites		06-09-1981
WPC File Number	LA0000752	LPDES Permit #		05-22-2003
WPC State Permit Number	WP0583	LWDPs Permit #		06-25-2003
Priority 1 Emergency Site	LA-2274-L01	Priority 1 Emergency Site		07-18-2006
Radioactive Material License	2274	Radiation License Number		08-03-2000
X-Ray Registration Number	G-005-2103	Radiation X-ray Registration Number		02-01-2001
Site ID #	17836	Solid Waste Facility No.		08-24-2001
Uniroyal Chemical Co Inc	38798	TEMPO Merge		11-01-2000
Uniroyal Chemical Co Inc	47719	TEMPO Merge		11-01-2000
Uniroyal Chemical Co Inc	67569	TEMPO Merge		11-01-2000
Toxic Emissions Data Inventory #	0180-00112	Toxic Emissions Data Inventory #		01-01-1991
TRI #	70734NRYLCP0BOX	Toxic Release Inventory		07-09-2004
UST Facility ID (from UST legacy data)	03-007860	Underground Storage Tanks		10-11-2002
36191 Hwy 30	PO Box 397	Main FAX:	2256730521	
Geismar, LA 70734	Geismar, LA 707340397	Main Phone:	2256730783	
Physical Location:	Mailing Address:	Location of Front Gate:	Related People:	
W. Keith Baggett	PO Box 397 Geismar, LA 707340397	30° 12' 52" 66 hundredths latitude, 91° 0' 7" 42 hundredths longitude, Coordinate Method: GPS Code (Psuedo Range) Differential, Coordinate Datum: NAD83		Responsible Official for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397			Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397			Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397			Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397			Radiation Safety Officer for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397			Radiation Contact for
R. Daryl Cambre	PO Box 397 Geismar, LA 707340397			Radiation Contact for

General Information

AI ID: 1433 Chemtura Corp - Geismar Plant
 Activity Number: PER20020015
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 Air - Title V Regular Permit Renewal

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	2253242502 (CP)	Radiation Contact For
	R. Daryl Cambre	PO Box 397 Geismar, LA 707340397	2256730526 (WF)	Radiation Contact For
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Responsible Official for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Air Permit Contact For
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Accident Prevention Contact for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730783 (WP)	Accident Prevention Billing Party for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Accident Prevention Billing Party for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Accident Prevention Contact for
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Air Permit Contact For
	Keith Gordon	PO Box 397 Geismar, LA 707340397	2256730521 (WF)	Responsible Official for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730521 (WF)	Operates
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730783 (WP)	Operates
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730521 (WF)	Owns
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730783 (WP)	Owns
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730521 (WF)	Water Billing Party for
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730783 (WP)	Water Billing Party for
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730521 (WF)	Air Billing Party for
	Chemtura Corp	PO Box 397 Geismar, LA 70734	2256730783 (WP)	Air Billing Party for
SIC Codes:				
2819, Industrial inorganic chemicals, nec				
2822, Synthetic rubber				
2869, Industrial organic chemicals, nec				

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 1433 - Chemtura Corp - Geismar Plant
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Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT108	2901-Hopper Loading and Unloading for Sand Blasting Operations					40 hr/yr (All Year)
EQT109	2902-Diesel Driven Air Compressor for Sand Blasting		216 horsepower			1200 hr/yr (All Year)
EQT110	2905-Cummins Diesel Fire Pump		380 horsepower			365 hr/yr (All Year)
EQT111	2906-Detroit Diesel Fire Pump		285 horsepower			365 hr/yr (All Year)
EQT124	2923-1000 Gallon Gasoline Tank and Dispenser	1000 gallons	67000 gallons/yr			8760 hr/yr (All Year)
EQT125	2933-Flexzone Emergency Generator			650 horsepower		168 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP083	Services and Laboratory Unit	EQT108 2901-Hopper Loading and Unloading for Sand Blasting Operations
GRP083	Services and Laboratory Unit	EQT109 2902-Diesel Driven Air Compressor for Sand Blasting
GRP083	Services and Laboratory Unit	EQT110 2905-Cummins Diesel Fire Pump
GRP083	Services and Laboratory Unit	EQT111 2906-Detroit Diesel Fire Pump
GRP083	Services and Laboratory Unit	EQT124 2923-1000 Gallon Gasoline Tank and Dispenser
GRP083	Services and Laboratory Unit	EQT125 2933-Flexzone Emergency Generator

Relationships:**Stack Information:**

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
EQT109			.4		14	
EQT110			.4		14	
EQT111			.4		11.5	
EQT125			.67		8.5	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP083	1	MM Lb/Yr	0690 - Chemical and Chemical Prep. N.E.C. (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1433 - Chemtura Corp - Geismar Plant

Activity Number: PER20020015

Permit Number: 2551-V1

Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 108 2901	0.10	0.12	<	0.01											
EQT 109 2902	0.48	0.48		0.29	0.44	0.44	0.27	6.70	6.70	4.02	1.44	1.44	0.87	0.54	0.54
EQT 110 2905	0.84	0.96		0.15	0.78	0.90	0.14	11.78	13.55	2.15	2.54	2.92	0.46	0.96	1.65
EQT 111 2906	0.63	0.72		0.11	0.58	0.67	0.11	8.84	10.16	1.61	1.90	2.19	0.35	0.72	1.08
EQT 124 2923														0.23	0.23
EQT 125 2933	1.43	1.65		0.12	1.33	1.53	0.11	20.15	23.17	1.69	4.34	4.99	0.37	1.96	2.45
															0.16

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 0.68 tons/yr

SO2: 0.63 tons/yr

NOx: 9.47 tons/yr

CO: 2.04 tons/yr

VOC: 1.77 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1433 - Chemtura Corp - Geismar Plant

Activity Number: PER20020015

Permit Number: 2551-V1

Air - Title V Regular Permit Renewal

All phases

Subject Item	1,3-Butadiene			Acetaldehyde			Acrolein			Benzene			Formaldehyde		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 109 2802	< 0.001	< 0.001	< 0.001	0.001	0.001	0.001	< 0.001	< 0.001	< 0.001	0.001	0.001	0.001	0.002	0.002	0.001
EQT 110 2805	< 0.001	< 0.001	< 0.001	0.002	0.002	0.002	< 0.001	< 0.001	< 0.001	0.002	0.002	< 0.001	0.003	0.003	< 0.001
EQT 111 2806	< 0.001	< 0.001	< 0.001	0.002	0.002	0.002	< 0.001	< 0.001	< 0.001	0.002	0.002	< 0.001	0.002	0.002	< 0.001
EQT 125 2833	< 0.001	< 0.001	< 0.001	0.003	0.003	0.003	< 0.001	< 0.001	< 0.001	0.004	0.004	< 0.001	0.01	0.01	< 0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AID: 1433 - Chemtura Corp - Geismar Plant
Activity Number: PER20020015
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Air - Title V Regular Permit Renewal

All phases

Subject Item	Propylene			Toluene			Xyrene (mixed isomers)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 109 2902	< 0.001	< 0.001	< 0.001	0.001	0.001	< 0.001	< 0.001	< 0.001	< 0.001
EQT 110 2905	< 0.001	< 0.001	< 0.001	0.001	0.001	< 0.001	0.001	0.001	< 0.001
EQT 111 2906	< 0.001	< 0.001	< 0.001	0.001	0.001	< 0.001	0.001	0.001	< 0.001
EQT 125 2933	< 0.001	< 0.001	< 0.001	0.002	0.002	< 0.001	0.001	0.001	< 0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,3-Butadiene: <0.001 tons/yr
 Acetaldehyde: 0.002 tons/yr
 Acrolein: <0.001 tons/yr
 Benzene: 0.002 tons/yr
 Formaldehyde: 0.003 tons/yr
 Propylene: <0.001 tons/yr
 Toluene: 0.001 tons/yr
 Xyrene (mixed isomers): 0.001 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

A1 ID: 1433 - Chemtura Corp - Geismar Plant
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- 1 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 2 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]
- 3 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 4 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 5 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 6 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 7 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 8 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HR VOC), which include 1,3-Butadiene, Butene, cis-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only). [LAC 33:III.501.C.6]
- 9 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only). [LAC 33:III.501.C.6]
- 10 Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. [LAC 33:III.507.G.5]
- 11 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 12 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 13 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 14 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 15 Toxic Emissions Data Inventory: Submit Annual Emissions Report (TEDR): Due annually, by the 1st of July, to the Office of Environmental Assessment, Air Quality Assessment Division, in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 16 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]

SPECIFIC REQUIREMENTS

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- 17 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 18 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.2]
- 19 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:I.3923. [LAC 33:III.5107.B.3]
- 20 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 21 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 22 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 23 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 24 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]
- 25 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 26 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 27 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 28 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 29 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 30 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 31 Conduct emission tests as set forth in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]

SPECIFIC REQUIREMENTS

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- 32 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 33 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 34 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 35 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 36 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 37 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 38 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 39 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 40 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 41 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 42 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 43 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 44 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 45 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 46 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 47 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 48 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 49 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 50 Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 51 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]

SPECIFIC REQUIREMENTS

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- 52 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 53 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 54 Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur. [LAC 33:III.5907]
- 55 Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate. [LAC 33:III.5911.C]
- 56 Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 57 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 58 Shall comply with all applicable requirements of Subpart M. Asbestos Demolition or Renovation. [40 CFR 61.145]
- 59 Determine total annual benzene in waste. Submit initial and/or annual reports. [40 CFR 61.342]
- 60 Shall comply with reporting requirements of 40 CFR 61 Subpart FF-Benzene Waste Operations. [40 CFR 61.357(c)]
- 61 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 62 HAP: All affected facilities shall comply with applicable provisions of 40 CFR 63 Subpart FFFF, NESHAP for Miscellaneous Organic Chemical Manufacturing (MON), 40 CFR 63.2430-63.2530, as promulgated. [40 CFR 63]
- 63 Compliance Assurance Monitoring (CAM): All affected facilities shall comply with 40 CFR 64. [40 CFR 64.1-10]
- 64 Shall comply with all applicable Chemical Accident Prevention Provisions. [40 CFR 68]
- 65 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 66 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 67 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 68 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 69 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

EQT108**2901-Hopper Loading and Unloading for Sand Blasting Operations**

- 70 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 1433 - Chemtura Corp - Geismar Plant
Activity Number: PER20020015
Permit Number: 2551-V1
Air - Title V Regular Permit Renewal

EQT109 2902-Diesel Driven Air Compressor for Sand Blasting

71 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
 Which Months: All Year Statistical Basis: None specified

EQT110 2905-Cummins Diesel Fire Pump

72 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
 Which Months: All Year Statistical Basis: None specified

EQT111 2906-Detroit Diesel Fire Pump

73 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
 Which Months: All Year Statistical Basis: None specified

EQT124 2923-1000 Gallon Gasoline Tank and Dispenser

- 74 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
- 75 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 76 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of the information specified in LAC 33:III.2131.F.1 through F.3, as applicable, for at least two years. [LAC 33:III.2131.F]
- 77 Submit records: Due within 30 calendar days upon request by DEQ. Submit records supporting exemption to the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.2132.B.8]

EQT125 2933-Flexzone Emergency Generator

- 78 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 79 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
 Which Months: All Year Statistical Basis: None specified

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- 80 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Air Permits Division, as required in accordance with the procedures in LAC 33:III.Chapter 5. [LAC 33:III.501.C.1]
- 81 Acetaldehyde <= 0.002 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 82 Benzene <= 0.002 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 83 Carbon monoxide <= 2.04 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 84 Formaldehyde <= 0.003 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

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- 85 Nitrogen oxides <= 9.47 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 86 Particulate matter (10 microns or less) <= 0.68 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 87 Sulfur dioxide <= 0.63 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 88 Toluene <= 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 89 VOC, Total <= 1.77 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 90 Xylene (mixed isomers) <= 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 91 Acrolein < 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 92 1,3-Butadiene < 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 93 Propylene < 0.001 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
- 94 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 95 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 21, 1992. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action, for permit termination, revocation and reissuance, or revision, or for denial of a permit renewal application. [LAC 33:III.507.B.2]
- 96 Any Part 70 source for which construction or operation has begun prior to the effective date of LAC 33:III.507 shall submit an application for an initial Part 70 permit. Permit applications shall be prepared in accordance with LAC 33:III.517 and with forms and guidance provided by DEQ, and shall be submitted no later than one year after the effective date of the Louisiana Part 70 program. [LAC 33:III.507.C.1]
- 97 Any source that becomes subject to the requirements of LAC 33:III.507 after the effective date of the Louisiana Part 70 program due to regulations promulgated by the Environmental Protection Agency or by the Department of Environmental Services, Air Permits Division, in accordance with the requirements established by the applicable regulation. In no case shall the required application be submitted later than one year from the date on which the source first becomes subject to LAC 33:III.507. [LAC 33:III.507.C.3]
- 98 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]

SPECIFIC REQUIREMENTS

All ID: 1433 - Chemtura Corp - Geismar Plant
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- 99 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]
- 100 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LEHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]
- 101 A new major stationary source shall apply best available control technology for each pollutant subject to regulation under this Section that it would have the potential to emit in significant amounts. [LAC 33:III.509.J.2]
- 102 A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit. [LAC 33:III.509.J.3]
- 103 For phased construction projects, the determination of best available control technology shall be reviewed and modified as appropriate at the latest reasonable time which occurs no later than 18 months prior to commencement of construction of each independent phase of the project. At such time, the owner or operator of the applicable stationary source may be required to demonstrate the adequacy of any previous determination of best available control technology for the source. [LAC 33:III.509.J.4]
- 104 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III Chapter 5. [LAC 33:III.511.]
- 105 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]
- 106 Submit permit application: Due by the date established for submittal in accordance with LAC 33:III.507.C. The permit application is for an initial permit to be issued in accordance with LAC 33:III.507. Provide a copy of each permit application pertaining to a major Part 70 source to EPA at the time of application submittal to the permitting authority. [LAC 33:III.517.A.2]
- 107 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 108 Submit supplemental facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit. [LAC 33:III.517.C]
- 109 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III.Chapter 5 shall contain the information specified in LAC 33:III.517.D, subparagraphs 1-18. [LAC 33:III.517.D]
- 110 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8. [LAC 33:III.517.E]
- 111 Submit change of ownership notification in accordance with LAC 33:I.Chapter 19. [LAC 33:III.517.G]